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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/891,484	06/25/2001	Wade Lee	13.041	. 9387
9651 7: ELLIOT B. A	590 02/19/2003 RONSON		EXAMI	NER
5001 HARBORD DRIVE OAKLAND, CA 94618			COURSON, TANIA C	
			ART UNIT	PAPER NUMBER
			2859	
			DATE MAILED: 02/19/2003	

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applicant(s)	
Office Action Summary		09/891,484	LEE, WADE	
		Examiner	Art Unit	
		Tania C. Courson	2859	
Period fo	Th MAILING DATE of this communication a	appears on the cover sh et wi	th the correspondence address	
A SH THE I - Exter - If the - If NC - Failu - Any r	ORTENED STATUTORY PERIOD FOR REF MAILING DATE OF THIS COMMUNICATION isions of time may be available under the provisions of 37 CFR SIX (6) MONTHS from the mailing date of this communication. period for reply specified above is less than thirty (30) days, a r period for reply is specified above, the maximum statutory peri re to reply within the set or extended period for reply will, by sta eply received by the Office later than three months after the ma id patent term adjustment. See 37 CFR 1.704(b).	N. 1.136(a). In no event, however, may a magnitude reply within the statutory minimum of thirt od will apply and will expire SIX (6) MON tute, cause the application to become AB	eply be timely filed y (30) days will be considered timely. THS from the mailing date of this communication. ANDONED (35 U.S.C. § 133).	
1)	Responsive to communication(s) filed on <u>0</u>	9 December 2002 .		
2a)		This action is non-final.		
3)	Since this application is in condition for allo closed in accordance with the practice und			
•	on of Claims			
·	Claim(s) <u>2-5,8,9 and 11-13</u> is/are pending in			
	4a) Of the above claim(s) <u>6,7 and 10</u> is/are v	vithdrawn from consideration		
	Claim(s) is/are allowed.			
6) 🖂	Claim(s) <u>2-5,8,9 and 11-13</u> is/are rejected.			
-	Claim(s) is/are objected to.			
•	Claim(s) are subject to restriction and on Papers	d/or election requirement.		
•••	The specification is objected to by the Exami	ner		
·	The drawing(s) filed on <u>25 June 2001</u> is/are:		to by the Examiner.	
	Applicant may not request that any objection to			
11) 🗌 ⁻	The proposed drawing correction filed on	-		
,	If approved, corrected drawings are required in	reply to this Office action.	· · ·	
12)	The oath or declaration is objected to by the	Examiner.		
Priority u	Inder 35 U.S.C. §§ 119 and 120			
13)	Acknowledgment is made of a claim for fore	ign priority under 35 U.S.C. {	§ 119(a)-(d) or (f).	
a)	_ All b) Some * c) None of:			
	1. Certified copies of the priority docume	ents have been received.		
	2. Certified copies of the priority docume	ents have been received in A	pplication No	
* 0	3. Copies of the certified copies of the p application from the International See the attached detailed Office action for a I	Bureau (PCT Rule 17.2(a)).	-	
14) 🗌 A	Acknowledgment is made of a claim for dome	estic priority under 35 U.S.C.	§ 119(e) (to a provisional application).	
) The translation of the foreign language Acknowledgment is made of a claim for dome			
Attachmen	•			
2) 🔲 Notic	e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO-948) nation Disclosure Statement(s) (PTO-1449) Paper No(s	5) D Notice of	Summary (PTO-413) Paper No(s) Informal Patent Application (PTO-152)	

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DETAILED ACTION

Election/Restrictions

1. The examiner agrees that the last office action was in reference to claim 13 instead of the cancelled claim 1.

2. The election requirement stated in the last office action (Paper No. 5) is hereby repeated, and thus made **FINAL**.

3. Claims 6-7 and 10 are withdrawn from further consideration pursuant to 37 CFR 1.142(b) as being drawn to a nonelected group, there being no allowable generic or linking claim. Election was made **without** traverse in Paper No. 5.

Claim Rejections - 35 USC § 103

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

5. Claims 13, 2-5 and 8 are rejected under 3 5 U. S. C. 103 (a) as being unpatentable over a worklight described in the specification, specifically page 1, lines 5-15, filed on June 25, 2001 in the Patent Application Serial Number 09/891,484 [hereinafter Prior Art] in view of Parker (US 3,893,340).

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The Prior art discloses a worklight and suggests that the exterior surface tends to get hot to human touch and that printed labels have been added to the surface of the worklight as a warning indicator, as claimed by the applicant with the exception of the warning indicator being a thermochromic warning indicator.

With respect to an indicator comprising a thermochromic substance in thermal communication with at least a portion of at least one exterior surface, said thermochromic substance being formulated to undergo a conspicuous color change in response to heat from said at least one exterior surface during normal operation, said indicator being structured and arranged to display an indication, when said thermochromic substance undergoes said conspicuous color change, a substrate wherein said thermochromic substance is carried on said substrate, said substrate is disposed with respect to said at least one exterior surface so as to place said thermochromic substance in thermal communication with at least a portion thereof, a warning indicia carried on said substrate, and wherein said thermochromic substance is normally substantially opaque at room temperature so as to substantially obscure said indicia and turns transparent in response to said heat from said at least one exterior surface so as to expose said indicia, wherein said substrate is transparent, and said thermochromic substance and said indicia are carried on the underside of said substrate, whereby said substrate provides a protective covering for said thermochromic substance and indicia, wherein said thermochromic substance forms a layer on the underside of said substrate, said indicia are applied to the underside of said layer, and said substrate with said thermochromic layer and indicia are adhered in position at said

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at least one exterior surface with the undersides thereof directed toward said at least one exterior surface, and further comprising a thermal moderator disposed between said thermochromic substance and said at least one exterior surface, whereby said thermochromic substance is in thermal communication with said at least one exterior surface through said thermal moderator. Parker teaches a thermally insulated warning indicator that consists of an indicator comprising a thermochromic substance (Fig. 4, liquid crystal composition 22) in thermal communication, with at least a portion of at least one exterior surface (column 5, lines 1-11), said thermochromic substance being formulated to undergo a conspicuous color change in response to heat from said at least one exterior surface during normal operation (column 5, lines 1-11), said indicator being structured and arranged to display an indication when said thermochromic substance undergoes said conspicuous color change (column 5, lines 1-11), a substrate (Fig. 4, translucent 28) wherein said thermochromic substance is carried on said substrate, said substrate is disposed with respect to said at least one exterior surface so as to place said thermochromic substance in thermal communication with at least a portion thereof, a warning indicia (Fig. 4, masking 24) carried on said substrate, and wherein said thermochromic substance is normally substantially opaque at room temperature so as to substantially obscure said indicia and turns transparent in response to said heat from said at least one exterior surface so as to expose said indicia (column 1, lines 20-24), wherein said substrate is transparent, and said thermochromic substance and said indicia are carried on the underside of said substrate, whereby said substrate provides a protective covering for said thermochromic substance and indicia (column 1, lines 20-24), wherein said thermochromic substance forms a layer on the underside of said substrate, said indicia are applied to the underside of said layer, and said substrate with said thermochromic

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layer and indicia are adhered in position at said at least one exterior surface with the undersides thereof directed toward said at least one exterior surface (Fig. 4), and further comprising a thermal moderator (Fig. 4, insulator 20) disposed between said thermochromic substance and said at least one exterior surface, whereby said thermochromic substance is in thermal communication with said at least one exterior surface through said thermal moderator (Fig. 4). Therefore it would have been obvious to a person having ordinary skill in the art at the time the invention was made to further modify the worklight with a warning indicator of the Prior Art, so as to include a thermally insulated warning indicator as taught by Parker, so as to further increase the usefulness of liquid crystal/thermochromic thermometers for indicating temperature of relatively high temperature objects as well as to generate a visual message that can be used as a warning device for individuals during use of the device.

6. Claims 9 and 11 are rejected under 3 5 U. S. C. 103 (a) as being unpatentable over Prior Art in view of Parker.

The Prior art discloses a worklight and suggests that the exterior surface tends to get hot and that printed labels have been added to the surface of the worklight as a warning indicator, as claimed by the applicant with the exception of the warning indicator being a thermochromic warning indicator.

With respect to a transparent protective covering disposed in a readily visible location at least one exterior surface, a thermochromic substance disposed between said transparent protective covering and said at least one exterior surface and a thermal moderator disposed

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thermochromic substance is in thermal communication with at least a portion of at said at least one exterior surface through said thermal moderator and is formulated to undergo a conspicuous color change in response to heat from said at least one exterior surface during normal operation, said conspicuous color change revealing an indication that said at least one exterior surface is of a temperature hot to human touch, a warning indicia wherein said thermochromic substance is disposed so as to cover said indicia, wherein said thermochromic substance is normally substantially opaque at room temperature so as to substantially obscure said indicia and turns transparent in response to said heat from said at least one exterior surface so as to expose said indicia, Parker teaches a thermally insulated warning indicator that consists of a transparent protective covering (Fig. 4, translucent 28) disposed in a readily visible location at least one exterior surface (column 5, lines 1-11), a thermochromic substance (Fig. 4, liquid crystal composition 22) disposed between said transparent protective covering and said at least one exterior surface and a thermal moderator (Fig. 4, insulator 20) disposed between said thermochromic substance and said at lest one exterior surface, wherein said thermochromic substance is in thermal communication with at least a portion of at said at least one exterior surface through said thermal moderator and is formulated to undergo a conspicuous color change in response to heat from said at least one exterior surface during normal operation (column 5. lines 1-11), said conspicuous color change revealing an indication that said at least one exterior surface is of a temperature hot to human touch (column 5, lines 1-11), a warning indicia (Fig. 4, masking 24) wherein said thermochromic substance is disposed so as to cover said indicia, wherein said thermochromic substance is normally substantially opaque at room temperature so

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as to substantially obscure said indicia and turns transparent in response to said heat from said at least one exterior surface so as to expose said indicia (column 1, lines 20-24). Therefore it would have been obvious to a person having ordinary skill in the art at the time the invention was made to further modify the worklight with a warning indicator of the Prior Art, so as to include a thermally insulated warning indicator as taught by Parker, so as to further increase the usefulness of liquid crystal/thermochromic thermometers for indicating temperature of relatively high temperature objects as well as to generate a visual message that can be used as a warning device for individuals during use of the device.

7. Claim 12 is rejected under 3 5 U. S. C. 103 (a) as being unpatentable over Prior Art and Parker, as applied to claims 9 and 11 as stated above, and further in view of MacDonald (US 3,877,411).

The Prior art discloses a worklight with a warning indicator, as stated above in paragraph 6, with the exception of a recessed area to receive a warning indicator.

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With respect to at least one exterior surface formed with a recessed area sized to receive a protective covering and a warning indicator such that the outer surface of said covering is substantially flush with said at least one exterior surface, MacDonald teaches a recessed area for a warning indicator that consists of at least one exterior surface formed with a recessed area (Fig. 1, recess 12) sized to receive a protective covering (Fig. 1, surface 15) and a warning indicator (Fig. 1, disc 4) such that the outer surface of said covering is substantially flush with said at least one exterior surface (Fig. 1). Therefore it would have been obvious to a person having ordinary

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skill in the art at the time the invention was made to further modify the worklight with a warning indicator of the Prior Art and Parker, so as to include a recessed area for a warning indicator as taught by MacDonald, so as to provide a means to removably secure an indicator from a recessed area.

Response to Arguments

8. Applicant's arguments filed December 9, 2002 have been considered but are moot in view of the new ground(s) of rejection.

9. Applicant's comment regarding that Parker teaches that there are no liquid crystal thermochromic that would be useful directly for applicant's problem because of their destruct range is not persuasive because Parker does teach that "the present invention enables the use of liquid crystal thermometers for measuring relatively high and low temperatures substantially in excess of the liquid crystal destruct temperature of 80-90 C and as low as -100 to -250 C without destroying the liquid crystals and thereby the liquid crystal thermometer." (column 3 lines 14-19).

10. In response to applicant's argument that the references fail to show certain features of applicant's invention, it is noted that the features upon which applicant relies (i.e., thickness of the thermal moderator, temperature range) are not recited in the rejected claim(s). Although the claims are interpreted in light of the specification, limitations from the specification are not read into the claims. See *In re Van Geuns*, 988 F.2d 1181, 26 USPQ2d 1057 (Fed. Cir. 1993).

Conclusion

11. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

The prior art cited on PTO-892 and not mentioned above disclose a temperature indicators:

Pierson (US 5,076,708)

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12. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tania C. Courson whose telephone number is (703) 305-3031.The examiner can normally be reached on Monday-Friday from 8:00AM to 4:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Diego Gutierrez, can be reached on (703) 308-3875. The fax number for this Organization where this application or proceeding is assigned is (703) 308-7724.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-0956.

DIEGO F.F. GUTIERREZ SUPERVISORY PATENT EXAMINER GROUP ART UNIT 2859

TCC February 13, 2003